

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/547,066  
Source: P4710  
Date Processed by STIC: 9/7/05

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 09/07/2005

PATENT APPLICATION: US/10/547,066

TIME: 14:56:21

Input Set : A:\Sequence Listing for M0106.70004US00.txt

Output Set: N:\CRF4\09072005\J547066.raw

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5 <110> APPLICANT: BRUGGEMANN, Marianne
9 <120> TITLE OF INVENTION: Genetically-modified non-human mammals and cells
13 <130> FILE REFERENCE: M0106.70004US00
C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/547,066
C--> 19 <141> CURRENT FILING DATE: 2005-08-25
23 <150> PRIOR APPLICATION NUMBER: GB 0304374.2
25 <151> PRIOR FILING DATE: 2003-02-26
29 <160> NUMBER OF SEQ ID NOS: 21
33 <170> SOFTWARE: PatentIn version 3.1
37 <210> SEQ ID NO: 1
39 <211> LENGTH: 64
41 <212> TYPE: DNA
43 <213> ORGANISM: Artificial Sequence
47 <220> FEATURE:
49 <223> OTHER INFORMATION: Forward primer BamHI - lox P - puro
51 <400> SEQUENCE: 1
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54 cggg                                                                    64
57 <210> SEQ ID NO: 2
59 <211> LENGTH: 28
61 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
69 <223> OTHER INFORMATION: Reverse primer oligo BclI - puro
71 <400> SEQUENCE: 2
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77 <211> LENGTH: 18
79 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
87 <223> OTHER INFORMATION: Forward primer
89 <400> SEQUENCE: 3
90 aacctgacat gttcctcc                                                    18
93 <210> SEQ ID NO: 4
95 <211> LENGTH: 18
97 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
105 <223> OTHER INFORMATION: Reverse primer
107 <400> SEQUENCE: 4
108 gggattagct gagtgtgg                                                  18
111 <210> SEQ ID NO: 5

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113 <211> LENGTH: 27
115 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
123 <223> OTHER INFORMATION: P1 V000818f pri MIgHK01F forward primer that binds to the mu
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124      on
126 <400> SEQUENCE: 5
127 agagccccct gtctgataag aatctgg                                27
130 <210> SEQ ID NO: 6
132 <211> LENGTH: 23
134 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
142 <223> OTHER INFORMATION: P2 Purinomycinr pri MIgHK02R reverse primer that binds to
the mu
143      region
145 <400> SEQUENCE: 6
146 tggatgtgga atgtgtgcga ggc                                23
149 <210> SEQ ID NO: 7
151 <211> LENGTH: 23
153 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
161 <223> OTHER INFORMATION: P3 Neomycinf pri MIgHK03F forward primer that binds to the
3' enh
162      ancer region
164 <400> SEQUENCE: 7
165 tgctttacgg tatcgccgct ccc                                23
168 <210> SEQ ID NO: 8
170 <211> LENGTH: 22
172 <212> TYPE: DNA
174 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
180 <223> OTHER INFORMATION: P4 X96607r pri MIgHK04R reverse primer that binds to the 3'
enhan
181      cer region
183 <400> SEQUENCE: 8
184 gagtccccat cccaaggct gg                                22
187 <210> SEQ ID NO: 9
189 <211> LENGTH: 23
191 <212> TYPE: DNA
193 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
199 <223> OTHER INFORMATION: Cre forward primer
201 <400> SEQUENCE: 9
202 ggacatgttc agggatcgcc agg                                23
205 <210> SEQ ID NO: 10
207 <211> LENGTH: 23
209 <212> TYPE: DNA
211 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
217 <223> OTHER INFORMATION: Cre reverse primer

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220 gatagctggc tgggtggcaga tgg                                     23
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225 <211> LENGTH: 28
227 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
235 <223> OTHER INFORMATION: Gamma 2a primer
237 <400> SEQUENCE: 11
238 gtagctatTT ctttccaccc agttcttc                                     28
241 <210> SEQ ID NO: 12
243 <211> LENGTH: 28
245 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
253 <223> OTHER INFORMATION: Gamma 2a a reverse primer
255 <400> SEQUENCE: 12
256 gtagctatTT ctttccaccc agttcttc                                     28
259 <210> SEQ ID NO: 13
261 <211> LENGTH: 28
263 <212> TYPE: DNA
265 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
271 <223> OTHER INFORMATION: Gamma 2a b reverse primer
273 <400> SEQUENCE: 13
274 gaaaagactt cctctttccc aagtgctc                                     28
277 <210> SEQ ID NO: 14
279 <211> LENGTH: 20
281 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
289 <223> OTHER INFORMATION: DF forward primer
291 <400> SEQUENCE: 14
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295 <210> SEQ ID NO: 15
297 <211> LENGTH: 20
299 <212> TYPE: DNA
301 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
307 <223> OTHER INFORMATION: DQ52 reverse primer
309 <400> SEQUENCE: 15
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313 <210> SEQ ID NO: 16
315 <211> LENGTH: 20
317 <212> TYPE: DNA
319 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
325 <223> OTHER INFORMATION: VJ558L forward primer
327 <400> SEQUENCE: 16

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335 <212> TYPE: DNA
337 <213> ORGANISM: Artificial Sequence
341 <220> FEATURE:
343 <223> OTHER INFORMATION: VJ558CL forward primer
345 <400> SEQUENCE: 17
346 atggaatgga gctgggtctt                20
349 <210> SEQ ID NO: 18
351 <211> LENGTH: 26
353 <212> TYPE: DNA
355 <213> ORGANISM: Artificial Sequence
359 <220> FEATURE:
361 <223> OTHER INFORMATION: JH1-4 reverse primer
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364 gagacdtga shrdrgtbcc tksrcc          26
367 <210> SEQ ID NO: 19
369 <211> LENGTH: 24
371 <212> TYPE: DNA
373 <213> ORGANISM: Artificial Sequence
377 <220> FEATURE:
379 <223> OTHER INFORMATION: lamin forward primer
381 <400> SEQUENCE: 19
382 gtatgaggcg gcactaaact ctaa          24
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387 <211> LENGTH: 24
389 <212> TYPE: DNA
391 <213> ORGANISM: Artificial Sequence
395 <220> FEATURE:
397 <223> OTHER INFORMATION: lamin reverse genomic primer
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403 <210> SEQ ID NO: 21
405 <211> LENGTH: 24
407 <212> TYPE: DNA
409 <213> ORGANISM: Artificial Sequence
413 <220> FEATURE:
415 <223> OTHER INFORMATION: lamin reverse cDNA primer
417 <400> SEQUENCE: 21
418 tacgaaactc caagtcctca gtaa          24

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## VERIFICATION SUMMARY

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Input Set : A:\Sequence Listing for M0106.70004US00.txt

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L:17 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date